Journal of the New England Water Works Association

Contents

Volume 109, No. 1 March 1995

Page

Portrait of President Robert E. Maynard, Jr. ..... *Frontispiece*

PILOT GIS MAPPING PROJECT: THE CONNECTICUT WATER COMPANY
By Keith Nadeau & Sandy Prisloe 1

DEVELOPMENT AND IMPLEMENTATION OF A COMPUTERIZED DATA GATHERING AND REPORTING SYSTEM FOR COMPLIANCE WITH THE SURFACE WATER TREATMENT RULE
By Thomas Marston, Mark Giovanniello, Adam Czepiel & Kevin Walsh 7

TEN WAYS TO USE SPREADSHEETS AT YOUR UTILITY
By Coral Damkroger 11

PIPE LOOP TESTING AT THE LOWELL WATER TREATMENT PLANT
By Leonard J. MacKoul, John J. Nelson & Jason R. Toussaint 20

ELEMENTS OF A CORROSION CONTROL STUDY
By Steve Reiber 47

AWWC EXPERIENCE WITH ZINC ORTHOPHOSPHATE TREATMENT
By William E. Neuman 57

PROCEEDINGS
Association Meeting - November 17, 1994 61
Association Meeting - December 15, 1994 63
REPORT OF THE MANAGEMENT COUNCIL 64
REPORT OF THE MEETING MANAGEMENT COUNCIL 75
REPORT OF THE OPERATIONS COUNCIL 86
REPORT OF THE STANDARDS COUNCIL 95
REPORT OF THE TRANSATLANTIC AWARDS WITH IWEM COMMITTEE 101
BOOK REVIEWS 102
GUIDELINES FOR THE PREPARATION OF PAPERS FOR PUBLICATION 104

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 109, No. 1 March 1995

Page

Portrait of President Robert E. Maynard, Jr. ..... *Frontispiece*

PILOT GIS MAPPING PROJECT: THE CONNECTICUT WATER COMPANY
By Keith Nadeau & Sandy Prisloe 1

DEVELOPMENT AND IMPLEMENTATION OF A COMPUTERIZED DATA GATHERING AND REPORTING SYSTEM FOR COMPLIANCE WITH THE SURFACE WATER TREATMENT RULE
By Thomas Marston, Mark Giovanniello, Adam Czepiel & Kevin Walsh 7

TEN WAYS TO USE SPREADSHEETS AT YOUR UTILITY
By Coral Damkroger 11

PIPE LOOP TESTING AT THE LOWELL WATER TREATMENT PLANT
By Leonard J. MacKoul, John J. Nelson & Jason R. Toussaint 20

ELEMENTS OF A CORROSION CONTROL STUDY
By Steve Reiber 47

AWWC EXPERIENCE WITH ZINC ORTHOPHOSPHATE TREATMENT
By William E. Neuman 57

PROCEEDINGS
Association Meeting - November 17, 1994 61
Association Meeting - December 15, 1994 63
REPORT OF THE MANAGEMENT COUNCIL 64
REPORT OF THE MEETING MANAGEMENT COUNCIL 75
REPORT OF THE OPERATIONS COUNCIL 86
REPORT OF THE STANDARDS COUNCIL 95
REPORT OF THE TRANSATLANTIC AWARDS WITH IWEM COMMITTEE 101
BOOK REVIEWS 102
GUIDELINES FOR THE PREPARATION OF PAPERS FOR PUBLICATION 104

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 109, No. 2 June 1995

Page

REDUCING CORROSIVITY AND RADON BY THE VENTURI-AERATION PROCESS
By Joseph E. O'Brien 105

DESIGN CONSIDERATIONS FOR PIPE LOOP STUDIES
By Anne Sandvig 115

LEAD CORROSION
By Bennett P. Boffardi 121

DEMONSTRATING WATERSHED PROTECTION USING GIS
By Philip R. Chernin 132

DESIGN CONSIDERATIONS FOR VOC REMOVAL
By Paul C. Millett 140

MANAGING INVENTORY
By George Wadsworth 149

OPERATION AND MAINTENANCE OF DISTRIBUTION SYSTEM MODELS BY MUNICIPALITIES
By James J. Pescatore 161

PROCEEDINGS
NEWWA Annual Conference - September 21, 1994 169
Roundtable Discussions:
How to Get Positive P.R. 169
Future Financing and Rate Issues for Publicly Owned Water Systems 171
Association Meeting, Bedford, NH - January 19, 1995 172
Joint Meeting with the Maine Water Utilities Association - February 6 & 7, 1995 174
Association Meeting, Mansfield, MA - March 16, 1995 175

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 109, No. 3 September 1995

Page

FORGING NEW PARTNERSHIPS FOR A SENSIBLE APPROACH TO SDWA COMPLIANCE: SUMMARY OF A PANEL DISCUSSION 177
By Elisa M. Speranza

PRACTICAL DESIGN CONSIDERATIONS FOR A WATER TREATMENT FACILITY 183
By Patrick E. Rogers

ANATOMY OF A PIPELINE BREAK 188
By Roy B. Anderson

PROFILE OF LEAD AND COPPER LEVELS IN HOUSE PLUMBING AND SERVICE PIPE 192
By Christopher C. Yannoni & Thomas Piorkowski

TRANSMISSION MAINTENANCE FACILITY FOR THE MASSACHUSETTS WATER RESOURCES AUTHORITY 211
By Rebecca M. Sovetts & Tiffany Tran

UPDATE AND ENHANCEMENT OF ERIE COUNTY, NEW YORK WATER AUTHORITY HYDRAULIC MODEL 214
By Thomas C. Miller, Jr. & Steven G. Lowry

RECOVERING FROM THE RECORD FLOOD OF 1993 IN THE MIDWEST 218
By Randy R. Beavers

TRILINEAR PLOTS - A POWERFUL NEW APPLICATION FOR MAPPING GASOLINE CONTAMINATION 222
By Robert C. Luhrs & Christopher J. Pyott

BOOK REVIEWS 235
PROCEEDINGS
Joint Conference & Exhibition - New York Section AWWA & NEWWA, April 25-27, 1995 .. 237
American Water Works Association Annual Conference, June 18-22, 1995 242

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover

Journal of the New England Water Works Association

Contents

Volume 109, No. 4 December 1995

Page

DEVELOPMENT AND ORGANIZATION OF AN EFFECTIVE MAINTENANCE PROGRAM FOR WATER UTILITIES 245
By James J. Flynn

REHABILITATION OF A 48-INCH STEEL WATER MAIN 256
By Irene McSweeney Woodfall

A RATIONAL APPROACH FOR MAKING DECISIONS ON REPLACEMENT OF DOMESTIC WATERMETERS 270
By David L. Westerling & Frederick L. Hart

USING SPREADSHEETS FOR WATER AND SEWER RATE SETTING 278
By Harry J. Henderson

THE CONFIGURATION OF STANDPIPES IN DISTRIBUTION AFFECTS OPERATIONS AND WATER QUALITY 281
By Gary A. Burlingame, Gerson Korntreger & Clifford Lahann

MEMOIR, John Porter Hennings 290

PROCEEDINGS
ANNUAL CONFERENCE SEPTEMBER 17-20, 1995 291
including Remarks by the President-Elect, Reports of the Executive Director, Treasurer, *Journal* Editor, *Update* Editor, Tellers of the Election, Administration Council, and Operations Council

NEWWA ORGANIZATION CHART 1995-1996 361
AWWA HISTORIC LANDMARK NOMINATION FORM 363
ANNUAL INDEX

MEETING SCHEDULE 4a
ON THE COVER 5a
INDEX TO ADVERTISERS 27a
DIRECTORY OF SERVICES 29a
TRAINING CALENDAR ..... Inside back cover